

Purchase Order Receipt Listing

Friday, July 15, 2016 5:04:44 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO32978 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO32978	1		M303R1.000 f	f	7/14/2016 12.0000	7/15/2016 PLOU01	12.0000	\$5.65	0.0000	0	\$67.75
CAD	No		303 Round Bar 1.00 f					\$67.75	0.0000	0	
			m135247								
	2		M304B0.375X03.000 f	f	7/14/2016 12.0000	7/15/2016 PLOU01	12.0000	\$8.27	0.0000	0	\$99.21
	No		M304 SS bar .375 x 3.00	f				\$99.21	0.0000	0	
			m135247								
	5		M7075T6B1.500X1.5 f	f	7/14/2016 12.6000	7/15/2016 PLOU01	12.6000	\$11.90	0.0000	0	\$149.95
	No		7075 T6 BAR 1.500 x 1.500	f				\$149.95	0.0000	0	
			m135247								
	9		M6061T6B0.750X01. f	f	7/14/2016 12.0000	7/15/2016 PLOU01	12.0000	\$2.90	0.0000	0	\$34.84
	No		500 6061-T6 Bar .750 X 1.50	f				\$34.84	0.0000	0	
			m135247								

Total Received Quantity: 48.6000
Total Qty to Inspect (PO U/M): 0.0000
Total Reject Quantity: 0.0000
Total Receipt Value: \$351.75
Total Balance Due Quantity: 0.0000



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO32978
Purchase Order Date 7/11/2016
PO Print Date 7/11/2016
Page Number 1 of 5

E-MAILED

JUL 11 2016

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDORS TRUCK

Ship Acct:

FCA - (Free Carrier)

FOB

Currency

CAD

Terms

Net 30

Customer POID

Customer Tax #

10127-2607

Buyer

Chantal Lavoie

Line	Reference	Vendor Part Number	Description/	Mfg ID	Reg Date/	CD	Reg Qty/	Unit of	Measure	PO Unit Price	Extended
Nbr											

Line Comments
Delivery Comments

Promise Date

Reg Date/

CD

Reg Qty/

Unit of

Measure

PO Unit Price

Extended

1 M303R1.000

303 Round Bar 1.00

7/14/2016

Yes

7/14/2016

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

12.00

f

\$7.29

\$87.51

2 M304B0.375X03.000

M304 SS bar .375 x 3.00

7/14/2016

Yes

7/14/2016

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS

AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

12.00

f

\$10.68

\$128.14

Line Total:

\$87.51

Line Total:

\$128.14

PO Instructions: QUOTE PEC-ST 947319, ST-947567
Note:

7/11/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO32978
Purchase Order Date 7/11/2016
PO Print Date 7/11/2016

Page Number 2 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

3 M304B0.500X012.000

304 BAR .500 X 12.00

7/26/2016
Yes
7/26/2016

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

\$592.00

\$49.33

12.00

f

3/0

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

4 M304B0.750X2.500

304 BAR .750 X 2.50

7/19/2016
Yes
7/19/2016

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

\$592.00

Line Total:

\$268.95

\$22.41

12.00

f

5 M7075T6B1.500X1.500

7075 T6 BAR 1.500 x 1.500

7/14/2016
Yes
7/14/2016

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

PO Instructions: QUOTE PEC-ST 947319, ST-947567
Note:

7/11/2016

8916-7-15



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO32978
Purchase Order Date 7/11/2016
PO Print Date 7/11/2016

Page Number 3 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CANADA
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7

Contact Name
Vendor Phone 905 669 9444
Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

VENDOR'S TRUCK

Buyer Chantal Laviole
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$193.69

6	M7075T6B5.000X1.000	7075-T6 BAR 5.000" X 1.000"	7/14/2016	Yes	f	12.00	\$40.63	\$487.50
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MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total: \$487.50

8	M2024T3S.080	2024-T3 .080 sheet	7/18/2016	Yes	sf	48.00	\$4.74	\$227.60
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MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$227.60

PO Instructions: QUOTE PEC-ST 947319, ST-947567
Note:

7/11/2016



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO32978

Purchase Order Date 7/11/2016
PO Print Date 7/11/2016

Page Number 4 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact
Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

M6061T6B0.750X01.500

6061-T6 Bar .750 X 1.50

7/14/2016

Yes

7/14/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total:

\$45.00

\$247.50

\$20.63

\$79.65

\$318.60

\$247.50

\$318.60

\$79.65

\$318.60

\$79.65

\$318.60

\$79.65

\$318.60

\$79.65

\$318.60

\$79.65

\$318.60

\$79.65

\$318.60

\$79.65



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PURCHASE ORDER
Purchase Order ID PO32978
Purchase Order Date 7/11/2016
PO Print Date 7/11/2016

Page Number 5 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name	Vendor Phone	905 669 9444	Buyer	Chantal Lavoie
Ship To Contact	Customer POID	10127-2607	Customer Tax #	10127-2607
Ship To Phone	Terms	Net 30	Currency	CAD
Ship Via:	FOB	FCA - (Free Carrier)		
Ship Acct:				

Line Total: \$318.60

12	M707ST73B4.000x4.000	7075-T73 Bar 4.0 x 4.0	7/20/2016	Yes	8.00	\$113.13	\$905.00
MATERIAL: 7075-T73/T73510T73511 BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078 NOTE:							
GRAIN DIRECTION MUST RUN ALONG 4" WIDE CUT IN 2PCS OF 4 FT							

Line Total: \$905.00

13	71401-45	PROCUREMENT	7/14/2016	No	1.00	\$0.00	\$0.00
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QUALITY CLAUSES

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$3,501.49

PO Instructions: QUOTE PEC-ST 947319, ST-947567

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 7/11/2016

N O I T A T O U Ō

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Tel 613-632-9577 Fax 613-632-
Slp STAN IVERS (905-532-1350)

Test Certs: Chem-Y Phys-Y 1 original copies with Shipment, 1 with Invoice
Q U O T A T I O N Q T No: PBC ST-947319

STAINLESS STEEL ROUND BAR 303 STAINLESS	1 PCS	18	LBS
.750" DIA X 144.0000"		12	FT
Part No STOCK			
MATERIAL			
ENERGY & CAP SURCHG			
12 FT @	4.8042 FT	57.65	
	25.0000 LOT	25.00	

STAINLESS STEEL ROUND BAR 303 STAINLESS	1 PCS	32 LBS	1.00" DIA X 144.0000"	12 FT	87.51
Part No STOCK					
MATERIAL	12 FT @	7.2925 FT			

STAINLESS STEEL FLAT BAR 304L SLIT/EDGED	1 PCS	46 LBS	12 FT	Part No STOCK	MATERIAL	12 FT @	10.6783 FT	128.14
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4 STAINLESS STEEL PLATE 304L
1 PCS 251 LBS
.50" THICK X 12.0000" X 144.0000"
Part No 10-12 DAYS ALL CUTTING STAINLE
-----SPECIFICATIONS----->>>

5	STAINLESS STEEL FLAT BAR 304-L HRAP	1 PCS	77	LBS
	.750" X 2.50" X 144.0000"			
	Part No 4-7 DAYS ARO			
	MATERIAL	1 PCS @	268.9500	EA
			268.95	

6	STAINLESS STEEL ROUND BAR 304L	1 PCS	5	LBS	.375" DIA X 144.0000"	Part No STOCK
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THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)

Quoted Ship To: (1)

DART AEROSPACE

DART AEROSPACE

MATERIAL
Q U O T A T I O N
QT No: PEC ST-947319 45.00

7 STAINLESS STEEL SHEET 304#4 .1050 Nom X 48.0000" X 120.0000" 1 PCS 175 LBS

Part No * OFFERING #4 ONLY

MATERIAL 1 PCS @ 317.9600 EA 317.96

8 STAINLESS STEEL SHEET 304-2B .0360 Nom X 48.0000" X 96.0000" 3 PCS 144 LBS

Part No STOCK

MATERIAL 3 PCS @ 99.1400 EA 297.42

9 ALUMINUM PLATE 7075-T651 1.50" THICK X 1.5000" X 50.3750" 3 PCS 34 LBS

Part No *** OFFERING LENGTH *****

MATERIAL 3 PCS @ 64.5633 EA 193.69

<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag
Whtol + 0.1250 - 0.0000 Wt/Skd
Lhtol + 0.0000 - 0.0000 Ty
PK

10 ALUMINUM PLATE 7075-T651 5.00" THICK X 1.0000" X 144.0000" 1 PCS 73 LBS

Part No THICKNESS + .030-.320
10-12 DAYS ALL CUTTING STAINLE

<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag
Whtol + 0.1250 - 0.0000 Wt/Skd
Lhtol + 0.1250 - 0.0000 Ty
PK

MATERIAL 1 PCS @ 487.5000 EA 487.50

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Price in effect at time of shipment.
Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

*** TEL. 800-926-2600 ***

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

No: PEC ST-947319

Q U O T A T I O N

Quoted By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)

DART AEROSPACE

Quoted Ship To: (1)

DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-947319

* WE STOCK STAINLESS STEEL!!!!

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com

***** NO CANCELLATIONS ON PROCESSED MATERIAL. *****

Order Totals: 10 Items 855 LBS
Material 2,476.32
Processing Freight Other Taxes ORDER AMT
0.00 0.00 0.00 0.00 2,826.49
Taxes: ONHSTS 325.17

No: PEC ST-947567

Q U O T A T I O N

Quoted By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

FOB

Qtd 11Jul16 Qte Ref

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Tel 613-632-9577 Fax 613-632-1053
Slp STAN IVERS (905-532-1350)

Q U O T A T I O N
QT No: PEC ST-947567
Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM SHEET 2024 -T3
MATERIAL
ENERGY & CAP SURCHG
SKID
227.60 25.00 25.00
1 PCS @ 227.6000 EA 25.0000 LOT 25.0000 LOT
54 LBS

2 ALUMINUM FLAT BAR 6061-T6511
MATERIAL
.750" X 1.50" X 144.0000"
12 FT @ 3.7500 FT
1 PCS 16 LBS
SPECIFICATIONS
1 1 1
Ga Tol + 0.0000 - 0.0000 Pc/Tag
WthTol + 0.1250 - 0.0000 Wt/Skd
LthTol + 0.0000 - 0.0000 TY
PK
247.50 EA
1 PCS @ 247.5000 EA
39 LBS

4 ALUMINUM PLATE 7075T7351
MATERIAL
2.50" THICK X 3.2500" X 48.0000"
Part No THICKNESS +.03-.200" **
SPECIFICATIONS
1 1 1
Ga Tol + 0.0000 - 0.0000 Pc/Tag
WthTol + 0.1250 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 TY
PK
318.60 EA
1 PCS @ 318.6000 EA
155 LBS

5 ALUMINUM PLATE 7075T7351
MATERIAL
4.00" THICK X 4.0000" X 48.0000"
Part No THICKNESS ++/- .145"
GRAIN DIRECT ALONG THE 4" DIM
SPECIFICATIONS
2 2
Ga Tol + 0.0000 - 0.0000 Pc/Tag

NO: PEC ST-947567

Q U O T A T I O N

Quoted By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)

Quoted Ship To: (1)

DART AEROSPACE

DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-947567

MATERIAL

LtHtOl + 0.1250 - 0.0000 TY PK

WtHtOl + 0.1250 - 0.0000 Wt/SKd

452.5000 EA

2 PCS @

905.00

WITH TEST REPORTS, PACKING SLIPS ARE TO SENT

TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

*** TEL. 800-926-2600 ***

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

WE STOCK STAINLESS STEEL!!!!

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***** PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

ADDED TO EVERY ORDER.***

***** FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

***** VISIT OUR WEBSITE: www.copperandbrass.com

***** NO CANCELLATIONS ON PROCESSED MATERIAL.

Order Totals:

5 Items

286 LBS

Material

Processing

Freight

Other

Taxes

ORDER AMT

1,743.70

233.19

0.00

0.00

0.00

12Jul16 06:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-947762

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)
Ord 12Jul16 Due13Jul16
Via VIM DELIVERY
PO/Rel 32978
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO NO PEC ST-947762
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 303 STAINLESS 1 PCS 32 LBS
1.00" DIA X 144.0000"
MATERIAL 12 FT @ 7.2925 FT 25.0000 LOT 25.00
ENERGY & CAP SURCHG

2 STAINLESS STEEL FLAT BAR 304L SLIT/EDGED 1 PCS 46 LBS
.375" X 3.00" X 144.0000"
MATERIAL 12 FT @ 10.6783 FT 128.14
3 ALUMINUM PLATE 7075-T651 3 PCS 34 LBS
1.50" THICK X 1.5000" X 50.3750"

<<<-----SPECIFICATIONS----->>>

Ga Tol + 0.0000 - 0.0000 Pk/Tag 3
WthTol + 0.1250 - 0.0000 Wt/Skd
LthTol + 0.0000 - 0.0000 TY PK
MATERIAL 3 PCS @ 64.5633 EA 193.69

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***
*** WE STOCK STAINLESS STEEL!!! ***
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

**FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

12Jul16 06:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-947762

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115) DART AEROSPACE
Ship To: (1) DART AEROSPACE

S A L E S A C K N O W L E D G M E N T
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice
SO No PEC ST-947762

Order Totals: 3 Items 112 LBS
Material Processing Freight Other Taxes ORDER AMT
409.34 25.00 56.47 490.81
Taxes: ONHSTS 56.47

12Jul16 06:53 S A L E S A C K N O W L E D G M E N T No: PEC ST-947763

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)
Ord 12Jul16 Due13Jul16
Via VIM DELIVERY
PO/Rel 32978
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-947763
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 ALUMINUM FLAT BAR 6061-T6511 1 PCS 16 LBS
1.750" X 1.50" X 144.0000"
MATERIAL 12 FT @ 3.7500 FT 45.00

ADD ON TO 947762 SUR-CHARGE ADDED

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***
* WE STOCK STAINLESS STEEL!!!
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

**PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

Order Totals: 1 Items 16 LBS
Material 45.00
Processing Freight Other Taxes 5.85
ORDER AMT 50.85
Taxes: ONHSTS 5.85

13Jul16 07:24 S A L E S A C K N O W L E D G M E N T No: PEC ST-948257

Sold By: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115) DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1) DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Ord 13Jul16 Due21Jul16
Via VIM DELIVERY
PO/Rel 32978
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO NO PEC ST-948257
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL FLAT BAR 304-L HRAP 1 PCS 77 LBS
1.750" X 2.50" X 144.0000"
MATERIAL 1 PCS @ 268.9500 EA 268.95

2 ALUMINUM PLATE 7075-T651 1 PCS 73 LBS
5.00" THICK X 1.0000" X 144.0000"
Part No THICKNESS + .030-.320"
10-12 DAYS ALL CUTTING STAINLE
<<<----- SPECIFICATIONS ----->>>

Ga Tol + 0.0000 - 0.0000 Pc/Tag 1
WthTol + 0.1250 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty
MATERIAL 1 PCS @ 487.5000 EA 487.50

WITH TEST REPORTS, PACKING SLIPS ARE TO SENT
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **
** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **
*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

* FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
* VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

Order Totals: 2 Items 150 LBS *****

No: PEC ST-948257

S A L E S A C K N O W L E D G M E N T

13Jul16 07:24

Sold By:

THYSSENKRUPP MATERIALS NA

2821 LANGSTAFF ROAD

CONCORD, ONTARIO L4K 5C6

Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)

Ship To: (1)

DART AEROSPACE

DART AEROSPACE

S A L E S A C K N O W L E D G M E N T SO No PEC ST-948257

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

Material Processing Freight Other Taxes ORDER AMT

756.45

98.34

854.79

Taxes: ONHSTS 98.34

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ... Continued

WITH TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Heat Number
12114052ΔR
1450012850
W9E5

*** Chemical Analysis ***

TOTAL:

Quantity	Tags	PCS	WT	LBS
1.57 SFT	3	5	3.7	116

3) Our Order PEC-947762- 3 Your PO # (32978)
ALUMINUM PLATE 7075-T651
1.50" THICK X 1.5000" X 50.3750"
Heat Number 1450012850
Tag No 549970
Quantity 1.57 SFT
MTR PCS 3
WT LBS 37

2) Our order PEC-947762- 2 Your PO (# 32978
STAINLESS STEEL FLAT BAR 304I SLIT/EDGED)
".375" x 3.00" X 144.0000"
Heat Number 1211405
Tag No 550289
Quantity 12 FT
PCS 1
WT LBS 47

1) Our order PEC-947762- 1 Your PO # 32978
STAINLESS STEEL ROUND BAR 303 STAINLESS
1.00" DIA X 144.0000"
Heat Number 550288
Tag No 550288
Quantity 12 FT
PCS 1
Wt LBS 32

B I L L O F L A D I N G

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

Ship From:
THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

IN G
No: PEC 999913
Ship Date 13Jul16 at 11:47 From FFW
Probill
Via VIM DELIVERY
Via CONCORD
Via PREPAID
Route 0 - 0 Manifest
Vehicle
SIP STAN IVERS (905-532-1350)
Sold To: (20115)
PART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship Date 13Jul16 at 11:47 From PFW
No: PEC 999913
Ship Date 13Jul16 at 11:47 From PFW
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033
Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 PKG, 1 BDL GW. 126 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT. * 9:00 AM TO 4:00 PM ***

WE STOCK STAINLESS STEEL

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

Page: 2 ... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVQ/GST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

Page: 2 ... Last

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT. * ** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ****
 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 **PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

 ***UNE SURCHARGE D'ENERGIE DE \$25.00
 SERA AJOUTEE A CHAQUE COMMANDE.***
 ***POUR VOS BESOINS D'ACIER INOXYDABLE,
 CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

TOTAL 1 PKG, 1 BDL GW. 126 LBS

TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

B I L L O F L A D I N G

IN G No: PEC 999913
Ship Date 13Jul16 at 11:47 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPAC

Ship From: THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/Ref 32978

Signed by:



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 121791 4

Mail To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Customer: 007206 001

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 12/08/2015

Page: 1

Steel: 303

Finish: CD

Your Order:

PEC270633

NAS Order: PN 0058864 06

Corrosion:

Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/2 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7009 EU DIRECTIVE
2011/65/EU. ROHS. PAF+AOD+CC. NO WELD REPAIR. WEITED AND MPF
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
1A
9-89
11/20/20

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH6173 1		1.0000		1.002	144.00	17	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MO %	NI %	N %	P %
W9E5	US	.0630	.1735	.170240	.3135	1.8040	.3635	.0416	8.3020
		S %		SI %					
				.3600		.4955			.0290

MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB	.2YS KSI	UTS KSI	RA %	Elong % 4D
BH6173 1	R L	205.0	83.85	113.92	50.09	28.81

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHIJEET BHAVE

12/08/2015

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-999913-003



INSPECTION CERTIFICATE (EN 10204/3.1)

Page 1 / 2

Certificate No. : 2014120068
Customer : CHARLESTON ALUMINUM, LLC
480 FRONTAGE ROAD GASTON, SC, 29653,
US
Purchase Order No. : 5809-C
Alloy : 7075
Batch No. : 1450012850
Dimensions : 1.500x48.50x144.50inch
Master standard : ASTM B209-2010, AMS4045K, AMS-QQ-A250M12A

TECHNOLOGICAL PROPERTIES

Mechanical properties: Temper T651

ASTM B209-2010, AMS4045K, AMS-QQ-A250M12A

	Pl.No.	Spec.No.	Rp1.0	Rp0.2	Rm	A44	Z	Rd/Rm
LT Min	-	-	-	67.0	77.0	5.0	-	-
Max	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-
Act	-	-	-	-	-	-	-	-

Chemical Composition in %, Remainder Al

Alloy 7075 Cast No. 12177502-1-14-0879

Alloy Spec: ASTM B209-2010, AMS4045K, AMS-QQ-A250M12A

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Others	total
Min	0.00	0.00	1.20	0.00	2.10	0.18	0.10	0.00	0.00	0.00	0.00
Max	0.40	0.50	2.00	0.30	2.80	0.28	0.10	0.20	0.05	0.15	0.15
Act	0.04	0.101	1.627	0.312	2.417	0.183	0.048	0.0104	0.0958	0.0958	0.0958

Other tests

DIMENSIONAL CONTROL
OK
SURFACE CONTROL
OK

MELTED AND MANUFACTURED IN THE PEOPLE'S REPUBLIC OF CHINA

CERTIFIED THAT THE WHOLE OF THE SUPPLIES DETAILED HEREON HAVE BEEN INSPECTED, TESTED AND
UNLESS OTHERWISE STATED ABOVE, CONFORM IN ALL RESPECTS WITH THE REQUIREMENTS OF THE
SPECIFICATION, CONTRACT OR ORDER. WE CONFIRM THAT QUALITY SYSTEM OF ALERIS ALUMINUM
(ZHEJIANG) CO., LTD. IS IN ACCORDANCE WITH AS 9100C AND ISO 9001 IN THE RELEVANT VALID

Valid quality management system: approvals see: www.aleris.com

Page 1 / 2

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

BL PEC-999913-003

13Jul16 Pg 2/2

Signed by:

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/Rd1 32978

DART AEROSPACE
ALUMINUM PLATE 7075-T6S1
1.50" THICK X 1.5000" X 50.3750"
PART NO.



Aleris Aluminum (Zhenjiang) Co., Ltd
No 3 Caijia Road, Jingkou Industrial Park, Zhenjiang, Jiangsu
212343, China

INSPECTION CERTIFICATE (EN 10204/3.1)

Page 2 / 2

Certificate No. : 2014120068
Customer : CHARLESTON ALUMINUM, LLC
480 FRONTAGE ROAD GASTON, SC 29053 GASTON, SC 29053, US
Purchase Order No. : 5800-C
Alloy : 7075
Batch No. : 1450012850
Dimensions : 1.500x48.50x144.50inch
Master standard : ASTM B209-2010, AMS4045K, AMS-QQ-A250/12A
VERSION AND CERTIFICATED BY AN ACCREDITED 3RD PARTY.

Quality Assurance: 2014-Dec-06
Valid after signature

Xiaobo Bai

Xiaobo Bai

Aleris Aluminum Co., Ltd

Valid quality management system approvals see: www.aleris.com

Page 2 / 2

THYSENKRUPP MATERIALS NA
DART AEROSPACE

STAINLESS STEEL FLAT BAR 304L SLIT/EDGED
3.75" x 3.00" X 144.000"
PART NO.

PO/Rel 32978

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

13Jul16
Pg 1/1

Signed by:

BL PEC-999913-002

3)

DAS 14 9-89

16/07/20

产品质量证明书
QUALITY CERTIFICATE

江苏大明金属制品有限公司
JIANGSU DAMING METAL PRODUCTS CO. LTD.

(continued)

55 名: NOT ROLLED STAINLESS STEEL COIL, MILL END 5F

#5
S06CFA0012

APPENDIX 2

2009-2010 2009-2010 2009-2010

[illegible]

江苏大明金属制品有限公司
JIANGSU DAMEI METAL PRODUCTS CO., LTD.

WE HERBY CERTIFY THAT THE NEW
WITH THE ORDER AND SPECIFICATION

1. *Phragmites australis* (Cav.) Trin. ex Steud.

DATE _____

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Page: 1 ... Continued

 *** TEL. 800-926-2600 ***
 CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
 *CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

TOTAL 1 BDL GW. 28 LBS

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
*** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER ***
*** REFERENCED ON IT ***

ADD ON TO 947762 SUR-CHARGE ADDED

Heat Number Z00256099

*** Chemical Analysis ***

TOTAL:	1	1	16
Tags	PCS	LBS	

WT LBS 16

Quantity 12 FT
PCS 1

Tag No
550290

HEAL NUMBER Z00256099

1) Our order PEC-947763- 1 ALUMINUM FLAT BAR 6061-T6511 .750" X 1.50" X 144.0000"

B I L L O F L A D I N G

MTB

DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

Ship from:
THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

I N G
 No: PEC 999891
 Ship Date 13Jul16 at 10:52 From FFW
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0 - 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

823

DATE _____

Page: 2 ... Last

* B I L L O F L A D I N G *
* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

**UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
**POUR VOS BESOINS D'ACIER INOXIDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

B I L L O F L A D I N G

IN G
 NO: PEC 99
 Ship Date 13Jul16 at 10:52 Fro
 Probill
 Via WIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0 - 0 Manifest
 Vhcle Trailer
 SLP STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY.
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Smith Inc

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINIUM • BRASS • COPPER • PLASTICS • STAINLESS

Page: 2 ... Last

8016-715

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00
SERA AJOUTEE A CHAQUE COMMANDE.***
***POUR VOS BESOINS D'ACIER INOXYDABLE,
CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

B I L L O F L A D I N G

Ship Date 13Jul16 at 10:52 From PFW
No: PEC 999891
Ship Date 13Jul16 at 10:52 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship From: THYSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033


Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

823

Certificate of Mill Test Results

THYSSENKRUPP MATERIALS NA

Signed by:  BL PEC-999891-001
Pg 1/1 13m116

Part No. ALUMINUM FLAT BAR 6061-T6511
DART AEROSPACE
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

CERTIFIED TEST REPORT
<http://online.kaiseraluminum.com>



Best in Class

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-273675-9		SHIP DATE: 03/15/2016		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	
KAISER ORDER NUMBER: 6004148		QUANTITY: 96,000 PCS		SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	
WEIGHT SHIPPED: 1524,000 LB		B/L NUMBER: 615069		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	
KAISER LOT NUMBER: 750 X 1,500 SC RECT BAR		KAISER LOT NUMBER: 6061		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	
TEMPER: T6511		LENGTH: 12,000 FT		SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT	BEND
230256099	0001	0001	44.4	39.8	20.3	RE 91	N/A	N/A
230256099	0001	0002	43.7	38.9	15.9	RE 90	N/A	N/A
230256099	0001	0004	44.2	39.7	18.6	RE 90	N/A	N/A
230256099	0001	0005	43.8	39.1	18.6	RE 90	N/A	N/A

LIMITS	SI	Fe	Cu	Mn	Mg	Cr	Zn	Tl	Pb	Bi	Zr	Ea	Tot
Maximum	0.60	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
	0.59	0.27	0.21	0.10	0.85	0.07	0.04	0.02	0.00	0.00	0.00	0.01	0.03

Applicable Requirements:
ASTM-B221-14 STENCILED ASME-S8221 2009 SECT II AMS-QQ-A-200/8A UNSA96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes
MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION
Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in accordance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Almee L. Macowski, Quality & Technology Manager

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32978/135247
 THICKNESS ORDERED 750X1.500
 THICKNESS RECEIVED 750X1.500
 SHEET SIZE ORDERED
 SHEET SIZE RECEIVED

MATERIAL M201116.B.750X1.500
 DATE 16/07/20
 MATERIAL CERT REC'D
 QUANTITY RECEIVED
 QUANTITY INSPECTED
 QUANTITY REJECTED

DESCRIPTION	NCR	(Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	Y	
CORRECT FINISH	<input checked="" type="checkbox"/>	Y	
CORROSION	<input checked="" type="checkbox"/>	Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	Y	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	Y	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	Y	

200256099

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW	TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUROMETER HEADING	Testers located in the Quality Office
		HRC			
		HRB			
		DUR A			
		DUR D			

OC 18 INSPECTION
 DAS 14 9-89
 INSPECTED BY 16/07/20
 DATE
 SIGNED OFF BY
 DATE
 ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

MATERIAL	DATE	QUANTITY RECEIVED	QUANTITY INSPECTED	QUANTITY REJECTED
1304 B. 325 X 3.006	16/02/20	12	12	12

THICKNESS ORDERED	THICKNESS RECEIVED	SHEET SIZE ORDERED	SHEET SIZE RECEIVED
375 X 3.006	370 X 3.010		

PO / BATCH NO

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW			
HARDNESS / DUROMETER READING			
TYPE OF MATERIAL			
SIZE OF TEST SAMPLE			
HRC			
HRB			
DUR A			
DUR D			

Testers located in the Quality Office

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY _____

DATE _____

INSPECTED BY _____

DATE _____

DAS
14
9-89

16/07/20

QC 18 INSPECTION

This material cert and report to be scanned and received in

DATE: 10/12/10

Attach this inspection sheet with the corresponding material cert and email to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO 32978/135247

THICKNESS ORDERED R1.00

THICKNESS RECEIVED R1.00

SHEET SIZE ORDERED

SHEET SIZE RECEIVED

MATERIAL H303 R1.00

DATE 16/07/20

MATERIAL CERT REQD 420

QUANTITY RECEIVED 12

QUANTITY INSPECTED 12

QUANTITY REMAINTED

DESCRIPTION	NCR	Check	Y/N	COMMENTS
SURFACE DAMAGE	Y	Y	Y	
CORRECT FINISH	Y	Y	Y	
CORROSION	Y	Y	Y	
CORRECT GRAIN DIRECTION	Y	Y	Y	
CORRECT MATERIAL	Y	Y	Y	
CORRECT THICKNESS	Y	Y	Y	
PHOTO REQUIRED	Y	Y	Y	
CORRECT MATERIAL	Y	Y	Y	
CORRECT REF # TO LINK CERT	Y	Y	Y	
CORRECT MATERIAL IDENTIFICATION	Y	Y	Y	
CORRECT # ON THE MATERIAL	Y	Y	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	Y	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	Y	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW	TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HARDNESS / DUROMETER HEADING
		HRC		
		HRB		
		DUR A		
		DUR D		

Testers located in the Quality Office

OC 18 INSPECTION

SIGNED OFF BY DAS

INSPECTED BY 14

DATE 16/07/20

ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H7075T6B1500X1500
DATE: 16-07-18

PO / BATCH NO.: 032978/M35247

MATERIAL CERT REC'D: 402
QUANTITY RECEIVED: 10
QUANTITY INSPECTED: 10
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.5
THICKNESS RECEIVED: 1.560
SHEET SIZE ORDERED: 0/A
SHEET SIZE RECEIVED: 0/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
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SURFACE DAMAGE	Y	(N)
CORRECT FINISH	Y	(N)
CORROSION	Y	(N)
CORRECT GRAIN DIRECTION	Y	(N)
CORRECT MATERIAL	Y	(N)
CORRECT THICKNESS	Y	(N)
PHOTO REQUIRED	Y	(N)
CORRECT MATERIAL	Y	(N)
CORRECT REF # TO LINK CERT	Y	(N)
CORRECT MATERIAL IDENTIFICATION	Y	(N)
CORRECT # ON THE MATERIAL	Y	(N)
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					HARDNESS / DUROMETER READING
TYPE OF MATERIAL	SIZE OF TEST SAMPLE	HRC	HRB	DUR A	
DUR D					

Testers located in the Quality Office

QC 18 INSPECTION
ENGINEERING SIGNOFF (if required)
INSPECTED BY: JD
SIGNED OFF BY: _____
DATE: 16-07-18

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in